

Richard L Lord

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Synthesis, electronic structures, and reactivity of mononuclear and dinuclear low-valent molybdenum complexes in iminopyridine and bis(imino)pyridine ligand environments. <i>Journal of Inorganic Biochemistry</i> , 2022, 230, 111744.	1.5	2
2	Synthesis and Cu(I)/Mo(VI) Reactivity of a Bifunctional Heterodinucleating Ligand on a Xanthene Platform. <i>Inorganic Chemistry</i> , 2021, 60, 14655-14666.	1.9	4
3	Multifaceted examination of multielectron transfer reactions. <i>Inorganica Chimica Acta</i> , 2020, 510, 119746.	1.2	0
4	One electron reduction transforms high-valent low-spin cobalt alkylidene into high-spin cobalt(Co^{II}) carbene radical. <i>Chemical Communications</i> , 2020, 56, 8416-8419.	2.2	8
5	Synthesis of Chromium(II) Complexes with Chelating Bis(alkoxide) Ligand and Their Reactions with Organoazides and Diazoalkanes. <i>Molecules</i> , 2020, 25, 273.	1.7	6
6	Tying the alkoxides together: an iron complex of a new chelating bulky bis(alkoxide) demonstrates selectivity for coupling of non-bulky aryl nitrenes. <i>Chemical Communications</i> , 2019, 55, 10780-10783.	2.2	13
7	Mechanistic and Kinetic Studies of the Ring Opening Metathesis Polymerization of Norbornenyl Monomers by a Grubbs Third Generation Catalyst. <i>Journal of the American Chemical Society</i> , 2019, 141, 17918-17925.	6.6	46
8	Characterization of Terminal Iron(III)-Oxo and Iron(III)-Hydroxo Complexes Derived from O_2 Activation. <i>Inorganic Chemistry</i> , 2019, 58, 15801-15811.	1.9	24
9	Group-transfer chemistry at transition metal centers in bulky alkoxide ligand environments. <i>Coordination Chemistry Reviews</i> , 2019, 400, 213044.	9.5	12
10	Transition metal-mediated reductive coupling of diazoesters. <i>Chemical Communications</i> , 2019, 55, 8458-8461.	2.2	10
11	Gauging the Redox Noninnocence of a Highly π -Acidic Bis-tetrazine Pincer Ligand. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 2535-2542.	1.0	2
12	Ketenimine Formation Catalyzed by a High-Valent Cobalt Carbene in Bulky Alkoxide Ligand Environment. <i>Organometallics</i> , 2019, 38, 962-972.	1.1	28
13	Reactions of dicobalt octacarbonyl with dinucleating and mononucleating bis(imino)pyridine ligands. <i>Dalton Transactions</i> , 2018, 47, 15353-15363.	1.6	17
14	Probing Redox Noninnocence of Copper and Zinc Bis-pyridylpyrrolides. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 4893-4904.	1.0	4
15	Cooperative bimetallic reactivity of a heterodinuclear molybdenum-copper model of Mo-Cu CODH. <i>Dalton Transactions</i> , 2018, 47, 10017-10024.	1.6	20
16	A Series of 4- and 5-Coordinate Ni(II) Complexes: Synthesis, Characterization, Spectroscopic, and DFT Studies. <i>Inorganic Chemistry</i> , 2018, 57, 8307-8316.	1.9	24
17	Catalytic Nitrene Homocoupling by an Iron(II) Bis(alkoxide) Complex: Bulking Up the Alkoxide Enables a Wider Range of Substrates and Provides Insight into the Reaction Mechanism. <i>Inorganic Chemistry</i> , 2018, 57, 9425-9438.	1.9	20
18	Coordination Chemistry and Reactivity of Bis(aldimino)pyridine Nickel Complexes in Four Different Oxidation States. <i>Organometallics</i> , 2017, 36, 582-593.	1.1	13

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19	Tuning the Fe(II/III) Redox Potential in Nonheme Fe(II) Hydroxo Complexes through Primary and Secondary Coordination Sphere Modifications. <i>Inorganic Chemistry</i> , 2017, 56, 4852-4863.	1.9	35
20	Divergent reactivity of a new dinuclear xanthene-bridged bis(iminopyridine) di-nickel complex with alkynes. <i>Dalton Transactions</i> , 2017, 46, 5605-5616.	1.6	29
21	Ligand Design toward Multifunctional Substrate Reductive Transformations. <i>Inorganic Chemistry</i> , 2017, 56, 9505-9514.	1.9	21
22	Coordination and electronic characteristics of a nitrogen heterocycle pincer ligand. <i>Inorganica Chimica Acta</i> , 2016, 451, 82-91.	1.2	27
23	Synthesis of a mononuclear, non-square-planar chromium(II) bis(alkoxide) complex and its reactivity toward organic carbonyls and CO ₂ . <i>Dalton Transactions</i> , 2016, 45, 9794-9804.	1.6	22
24	Synthesis and Characterization of a Stable High-Valent Cobalt Carbene Complex. <i>Journal of the American Chemical Society</i> , 2016, 138, 5531-5534.	6.6	43
25	Tetrazine Assists Reduction of Water by Phosphines: Application in the Mitsunobu Reaction. <i>Chemistry - A European Journal</i> , 2016, 22, 13985-13998.	1.7	16
26	Ether Cleavage Reinvestigated: Elucidating the Mechanism of BBr ₃ -Facilitated Demethylation of Aryl Methyl Ethers. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7460-7467.	1.2	40
27	Reactivity Modes of an Iron Bis(alkoxide) Complex with Aryl Azides: Catalytic Nitrene Coupling vs Formation of Iron(III) Imido Dimers. <i>Organometallics</i> , 2015, 34, 2917-2923.	1.1	43
28	The aldimine effect in bis(imino)pyridine complexes: non-planar nickel(II) complexes of a bis(aldimino)pyridine ligand. <i>Chemical Communications</i> , 2015, 51, 6496-6499.	2.2	18
29	Energy Dependence of the Ruthenium(II)-Bipyridine Metal-to-Ligand-Charge-Transfer Excited State Radiative Lifetimes: Effects of π -(bipyridine) Mixing. <i>Journal of Physical Chemistry B</i> , 2015, 119, 7393-7406.	1.2	17
30	Catalytic Formation of Asymmetric Carbodiimides at Mononuclear Chromium(II/IV) Bis(alkoxide) Complexes. <i>Organometallics</i> , 2015, 34, 5119-5128.	1.1	40
31	A density functional theory and spectroscopic study of intramolecular quenching of metal-to-ligand charge-transfer excited states in some mono-bipyridine ruthenium(II) complexes. <i>Canadian Journal of Chemistry</i> , 2014, 92, 996-1009.	0.6	9
32	[(Salcen)Cr ^{III} + Lewis base]-catalyzed synthesis of N-aryl-substituted oxazolidinones from epoxides and aryl isocyanates. <i>Chemical Communications</i> , 2014, 50, 15187-15190.	2.2	45
33	Multiplying the electron storage capacity of a bis-tetrazine pincer ligand. <i>Dalton Transactions</i> , 2014, 43, 6513-6524.	1.6	39
34	In search of redox non-innocence between a tetrazine pincer ligand and monovalent copper. <i>Dalton Transactions</i> , 2014, 43, 7958-7963.	1.6	11
35	Switching the Enantioselectivity in Catalytic [4 + 1] Cycloadditions by Changing the Metal Center: Principles of Inverting the Stereochemical Preference of an Asymmetric Catalysis Revealed by DFT Calculations. <i>Journal of the American Chemical Society</i> , 2014, 136, 9414-9423.	6.6	21
36	Chemical Implications of Incompatible Ligand versus Metal Coordination Geometry Preferences. <i>Inorganic Chemistry</i> , 2014, 53, 3039-3047.	1.9	11

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37	A tale of hydrogen abstraction, initially detected via X-ray diffraction. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 250-255.	0.2	1
38	Synthesis and Oxidative Reactivity of 2,2-Pyridylpyrrolide Complexes of Ni(II). <i>Inorganic Chemistry</i> , 2013, 52, 9511-9521.	1.9	18
39	Reductive Coupling of Azides Mediated by an Iron(II) Bis(alkoxide) Complex. <i>Inorganic Chemistry</i> , 2013, 52, 12335-12337.	1.9	36
40	Ab Initio QM/MM Calculations Show an Intersystem Crossing in the Hydrogen Abstraction Step in Dealkylation Catalyzed by AlkB. <i>Journal of Physical Chemistry B</i> , 2013, 117, 6410-6420.	1.2	58
41	Steric and Electronic Effects in the Formation and Carbon Disulfide Reactivity of Dinuclear Nickel Complexes Supported by Bis(iminopyridine) Ligands. <i>Organometallics</i> , 2013, 32, 2952-2962.	1.1	22
42	Experimental and DFT Characterization of Metal-to-Ligand Charge-Transfer Excited States of (Rutheniumammine)(Monodentate Aromatic Ligand) Chromophores. <i>Inorganic Chemistry</i> , 2013, 52, 9774-9790.	1.9	19
43	Computational Modeling of the Triplet Metal-to-Ligand Charge-Transfer Excited-State Structures of Mono-Bipyridine Ruthenium(II) Complexes and Comparisons to their 77 K Emission Band Shapes. <i>Inorganic Chemistry</i> , 2013, 52, 1185-1198.	1.9	26
44	Can Metallapyrimidines Be Aromatic? A Computational Study into a New Class of Metallacycles. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 4950-4959.	2.3	20
45	Concentration-Independent pH Detection with a Luminescent Dimetallic Eu(III)-Based Probe. <i>Journal of the American Chemical Society</i> , 2012, 134, 17372-17375.	6.6	56
46	Metallapyrimidines and Metallapyrimidiniums from Oxidative Addition of Pyrazolate N-N Bonds to Niobium(III), Niobium(IV), and Tantalum(IV) Metal Centers and Assessment of Their Aromatic Character. <i>Organometallics</i> , 2012, 31, 5971-5974.	1.1	18
47	Difference in the Reactivities of H- and Me-Substituted Dinucleating Bis(iminopyridine) Ligands with Nickel(0). <i>Organometallics</i> , 2012, 31, 2120-2123.	1.1	22
48	Carbon disulfide binding at dinuclear and mononuclear nickel complexes ligated by a redox-active ligand: iminopyridine serving as an accumulator of redox equivalents for the activation of heteroallenes. <i>Chemical Communications</i> , 2012, 48, 9595.	2.2	21
49	Theoretical Determination of One-Electron Oxidation Potentials for Nucleic Acid Bases. <i>Journal of Chemical Theory and Computation</i> , 2012, 8, 5107-5123.	2.3	72
50	Unexpected Formation of a Cobalt(III) Phenoxazinylate Electron Reservoir. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 463-466.	1.0	21
51	Characterization of Low Energy Charge Transfer Transitions in (terpyridine)(bipyridine)Ruthenium(II) Complexes and their Cyanide-Bridged Bi- and Tri-Metallic Analogues. <i>Inorganic Chemistry</i> , 2011, 50, 11965-11977.	1.9	39
52	Ring-Slippage and Multielectron Redox Properties of Fe/Ru/Os Bis(arene) Complexes: Does Hapticity Change Really Cause Potential Inversion?. <i>Journal of the American Chemical Society</i> , 2011, 133, 18234-18242.	6.6	15
53	Two-Electron Redox Energetics in Ligand-Bridged Dinuclear Molybdenum and Tungsten Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 4611-4619.	1.9	24
54	Spin Crossover-Coupled Electron Transfer of [M(tacn) ₂] ^{3+/2+} Complexes (tacn = 1,4,7-Triaza-9-azonia-7-phospha-3,6,8-trioxo-10-oxo-10-germanolane) <i>Journal of the American Chemical Society</i> , 2010, 132, 6189-6197.	6.6	41

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55	Inorganic Models for Two-Electron Redox Chemistry in Biological Systems. ACS Symposium Series, 2009, , 151-166.	0.5	3
56	Cyanide: A Strongâ€Field Ligand for Ferrohemes and Hemoproteins?. Angewandte Chemie - International Edition, 2008, 47, 10144-10146.	7.2	39
57	Ab Initio Determinations of Photoelectron Spectra Including Vibronic Features. An Upper-Level Undergraduate Physical Chemistry Laboratory. Journal of Chemical Education, 2008, 85, 1672.	1.1	1
58	The Mechanism of the Rhodium(I)-Catalyzed [2 + 2 + 1] Carbocyclization Reaction of Dienes and CO: A Computational Study. Journal of the American Chemical Society, 2008, 130, 5821-5830.	6.6	29
59	Why Does Cyanide Pretend to be a Weak Field Ligand in $[\text{Cr}(\text{CN})_5]^{3-}$?. Inorganic Chemistry, 2008, 47, 4413-4420.	1.9	16
60	Synthesis, Structure, and Properties of Low-Spin Manganese(III)âˆ™Poly(pyrazolyl)borate Complexes. Inorganic Chemistry, 2007, 46, 2596-2603.	1.9	25
61	What difference one double bond makes: Electronic structure of saturated and unsaturated n-heterocyclic carbene ligands in Grubbs 2nd generation-type catalysts. Journal of Organometallic Chemistry, 2006, 691, 5505-5512.	0.8	20
62	The Pentacyanocyclopentadienyl System:âˆ™ Structures and Energetics. Journal of Physical Chemistry A, 2005, 109, 10084-10091.	1.1	16